

19980622.qrp v01_n130.qrs.980622

Date: Mon, 22 Jun 1998 19:03:13 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1130

QRP-L Digest 1130

Topics covered in this issue include:

- 1) [13578] noise bridge results
by Jerry ODell <jwodel@mpdr0.detroit.mi.ameritech.net>
- 2) [13579] Help with Source for Unitrode 3906
by Rich Bachmann <bachmann@ari.net>
- 3) [13580] FS Items
by Robert Parks <rob3ert@vegas.infi.net>
- 4) [13581] FS Items
by Robert Parks <rob3ert@vegas.infi.net>
- 5) [13582] Re: noise bridge results
by "Gene Hall" <evhall@ix.netcom.com>
- 6) [13583] FS: 38 S & WM - 20
by k5yu@juno.com (harvey n mitchell)
- 7) [13584] FS- Items
by Robert Parks <rob3ert@vegas.infi.net>
- 8) [13585] FS - Items
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by Robert Parks <rob3ert@vegas.infi.net>
- 10) [13587] Icom funmobile & SPRE satellite to visit Laurel, MD 6/24/98!
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 11) [13588] re: straight key- help
by ka1iic <ka1iic@ime.net>
- 12) [13589] Light-weight backpacking
by Gary Evans <gevans@lightspeed.net>
- 13) [13590] ITEMS FOR SALE
by Bill Wetherill <n2wg@wilmington.net>
- 14) [13591] Tic Tac for a Tick.
by N5FOS@aol.com
- 15) [13592] Label Remover Trick
by N5FOS@aol.com
- 16) [13593] Tape Socket Holders
by N5FOS@aol.com
- 17) [13594] ICQ ??
by art marshall <w1fji@vistech.net>
- 18) [13595] Billfold Certs Box
by N5FOS@aol.com
- 19) [13596] FS ZM-1 Antenna Tuner Kit

- by Robert Parks <rob3ert@vegas.infi.net>
- 20) [13597] Re: Why not 3V?
by Paul Harden <pharden@aoc.nrao.edu>
- 21) [13598] Need Mini Quad manual!
by "Larry Laffoon" <w3rl@EMAIL.MSN.COM>
- 22) [13599] KnightSMITe station in a shoe polish can
by "Dennis Payton" <dpayton@fwi.com>
- 23) [13600] ICM Instant OSC./QRP Transmitter
by N5F0S@aol.com
- 24) [13601] Re: Tape Socket Holders
by "George T. Baker" <w5yr@swbell.net>
- 25) [13602] CQ Embedded Brad
by k7sz@juno.com (Richard H Arland)
- 26) [13603] Argonaut 509 for sale.
by "Larry Laffoon" <w3rl@email.msn.com>
- 27) [13604] Backpacking with QRP
by Armstrongs <barmstrong@mail.SISNA.com>
- 28) [13605] Re: Label Remover Trick
by Lee Bahr <w5drc@ix.netcom.com>
- 29) [13606] Heath HD-1422 noise bridge FS/trade
by W7LS <w7ls@blarg.net>
- 30) [13607] Santec Jim MX-7S(T)??
by Uwe Cappeller <cappelle@mail.uni-marburg.de>
- 31) [13608] noise bridge results
by Jerry ODell <jwodel@mpdr0.detroit.mi.ameritech.net>
- 32) [13609] Re: Noise Bridges
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 33) [13610] GPS rollover reference
by Peter_Simpson@ne.3com.com
- 34) [13611] QPR group
by Art Marshall <w1fji@vistech.net>
- 35) [13612] sold: 2m beam and archerotor
by w0yse@juno.com (Neil Klagge)
- 36) [13613] ua0zc on 2W !!
by w0yse@juno.com (Neil Klagge)
- 37) [13614] Re: ua0zc on 2W !!
by Ab7wy@aol.com
- 38) [13615] FS: MFJ 40meter QRP
by "Peter C. Buehner" <kc8er@harborcom.net>
- 39) [13616] SGC-2020
by "J. D. Beischel" <jduffy1@ix.netcom.com>
- 40) [13617] Re: GPS rollover reference
by Roger Hightower <n7kt@earthlink.net>
- 41) [13618] Re: ICM Instant OSC./QRP Transmitter
by Joseph Trombino jr <joebarb@wilmington.net>
- 42) [13619] RE: Proper Float / Charging Voltages
by cy r currier <crc3@telplus.net>
- 43) [13620] Needed: Argosy 525 Noise Blanker Schematic

- by k7sz@juno.com (Richard H Arland)
- 44) [13621] ARRL Board of Directors Meeting July 16
by "Ed Hare, W1RFI" <ehare@arrl.org>
- 45) [13622] Re: ua0zc on 2W !!
by Vic Rosenthal <rakefet@rakefet.com>
- 46) [13623] Elmer 101 Contribution - Keyer Addition to SW-40+
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
- 47) [13624] Last Message on Keyer - An Attachment?
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
- 48) [13625] FS ZM-1
by Robert Parks <rob3ert@vegas.infi.net>
- 49) [13626] Help - voyage to Phoenix/Flagstaff, AZ for Tuthill swap!
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 50) [13627] Why not 6V?
by Steven Weber <kd1jv@moose.ncia.net>
- 51) [13628] QRZ and QSL Wrangell Island (fwd)
by Joe Gervais <vole@primenet.com>
- 52) [13629] RE: Backpacking with QRP
by cy r currier <crc3@telplus.net>
- 53) [13630] Re: Last Message on Keyer - An Attachment?
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
- 54) [13631] Re: Rev Polarity Protection
by applitech@mcg.net (Claton Cadmus)
- 55) [13632] Ceramic Tuning Tool found!
by Ed Loranger <we6w@qsl.net>
- 56) [13633] Re: sending signals thur the earth
by Ed Loranger <we6w@qsl.net>
- 57) [13634] Missing Embedded Research prizes found!
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 58) [13635] RE: Gap review in Rad Com
by "rohre" <rohre@arlut.utexas.edu>
- 59) [13636] Mineral Oil or Mineral Spirits
by Lee Bahr <w5drc@ix.netcom.com>
- 60) [13637] Re: Ceramic Tuning Tool found!
by "Eugene Hall" <evhall@ix.netcom.com>
- 61) [13638] Re: sending signals thur the earth
by Mike Manship <mjmanship@iquest.net>
- 62) [13639] Re: Mineral Oil or Mineral Spirits
by Roger Hightower <n7kt@earthlink.net>
- 63) [13640] wtb:qrp +
by Delores Brickey <delores@preferred.com>
- 64) [13641] Re: Mineral Oil or Mineral Spirits
by "Marshall Emm" <mgemm@mtechnologies.com>
- 65) [13642] Mineral Oil vs. Mineral Spirits
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 66) [13643] Argo noise blanker
by "Paul Meier" <wa7mig@Hevanet.com>
- 67) [13644] Re: ua0zc on 2W !!

- by "dave r" <elim@ime.net>
- 68) [13645] Elmer101: web site
by Michael Maiorana <mikemo@ibm.net>
- 69) [13646] Dinner with K5FO in Orlando
by Michael Neverdosky <MichaelN@cycat.com>
- 70) [13647] BOSTON
by Brad Mugleston <bmug@gwl.com>
- 71) [13648] Re: Argo noise blanker
by "George T. Baker" <w5yr@swbell.net>
- 72) [13649] Re: KnightSMITe station in a shoe polish can
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 73) [13650] Looking for reference book.
by FrConrad@aol.com
- 74) [13651] Elmer 101 - extra hole
by "C. Lamar Derk" <"n3at@epix.net"@epix.net>
- 75) [13652] Capacitors for antenna tuners
by "Mark Dittmar" <Mark_Dittmar@maxtor.com>
- 76) [13653] FT-736R, Corsair II w/VFO, QRP, Paragon, HTs, 12v PSs, HTs, scanners...
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 77) [13654] Fw: Moto, Standard, ICOM, Yaesu, TenTec list
by "Tim Cook" <timcook@erinet.com>
- 78) [13655] Re: SGC-2020
by Bill Schiller <schiller@cherokee.nsuok.edu>
- 79) [13656] Re: Super Glue - heat
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 80) [13657] RE: Wire/Rope Half Square
by jdenison@morelr.com (JOEL DENISON)
- 81) [13658] mfj LINEAR
by bkobie@webtv.net (patrick obrien)
- 82) [13659] Candy Store Info
by N5FOS@aol.com
- 83) [13660] Re: SGC-2020
by Ed Tanton <n4xy@att.net>
- 84) [13661] FD- Bug Juice Alert!
by "Steve Galchutt" <n0tu@webaccess.net>
- 85) [13662] QRP DXer/Contesters Needed as Speakers in CA
by Joe Gervais <vole@primenet.com>

Date: Sat, 20 Jun 1998 19:36:56 -0700
From: Jerry ODell <jwodell@mpdr0.detroit.mi.ameritech.net>
To: qrp-l@Lehigh.EDU
Subject: [13578] noise bridge results
Message-ID: <358C71C8.3E3BB53@mailhost.det.ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all for helping me with the noise bridge. Turns out that Ten Tec sells a little board that does the job, and it's a cheap kit. Can't remember who told me about that, but I appreciate it.

73 Jerry W8GND

Date: Sun, 21 Jun 1998 19:42:29 -0400
From: Rich Bachmann <bachmann@ari.net>
To: "'mail4gary@worldnet.att.net'" <mail4gary@worldnet.att.net>
Cc: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [13579] Help with Source for Unitrode 3906
Message-ID: <01BD9D4C.BC538F30@ppp_bach.ari.net>

Gary,

Active Electronics carries the UC3906. You may also be able to buy one from A&A Engineering or Jade Products (since they sell chargers based on the UC 3906.)

73, Rich, N3SLR
bachmann@ari.net

Date: Sun, 21 Jun 1998 19:55:50 -0400 (EDT)
From: Robert Parks <rob3ert@vegas.infi.net>
To: qrp-1@Lehigh.EDU
Subject: [13580] FS Items
Message-ID: <199806212355.TAA02987@fh102.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

The Book is spoken for.

Thanks---

Bob Parks

Date: Sun, 21 Jun 1998 20:10:36 -0400 (EDT)
From: Robert Parks <rob3ert@vegas.infi.net>
To: qrp-1@Lehigh.EDU
Subject: [13581] FS Items
Message-ID: <199806220010.UAA31817@fh102.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

The LDG QRP Ant Tuner Kit is spoken for.

Thanks,

Bob Parks

Date: Sun, 21 Jun 1998 20:36:12 -0400
From: "Gene Hall" <evhall@ix.netcom.com>
To: <jwodell@mpdr0.detroit.mi.ameritech.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13582] Re: noise bridge results
Message-ID: <199806220040.TAA06373@dfw-ix5.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Jerry,

How about passing the kit name/number along for the rest of us.

72,

Gene WA4HHP Summerville, SC

> From: Jerry ODell <jwodell@mpdr0.detroit.mi.ameritech.net>

<snip> Turns out that Ten Tec sells a little

> board that does the job, and it's a cheap
> kit. <snip>.
>
> 73 Jerry W8GND
>

Date: Sun, 21 Jun 1998 19:44:49 -0500
From: k5yu@juno.com (harvey n mitchell)
To: qrp-1@Lehigh.EDU
Subject: [13583] FS: 38 S & WM - 20
Message-ID: <19980621.194450.10262.1.k5yu@juno.com>

Thanks for the responses gang. The 38 Special has been spoken for. The
White Mountain - 20 20 meter QRP SSB rig is still available.

72/73,

Harvey Mitchell, K5YU
k5yu@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 21 Jun 1998 21:08:05 -0400 (EDT)
From: Robert Parks <rob3ert@vegas.infi.net>
To: qrp-1@Lehigh.EDU
Subject: [13584] FS- Items
Message-ID: <199806220108.VAA04546@fh102.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

The Tejas Audio filter Kit is spoken for.

Thanks.

Bob Parks
K6AEC

Date: Sun, 21 Jun 1998 21:23:37 -0400 (EDT)
From: Robert Parks <rob3ert@vegas.infi.net>
To: qrp-1@Lehigh.EDU
Subject: [13585] FS - Items
Message-ID: <199806220123.VAA27313@fh102.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At this point all items EXCEPT the ZM-1 ant tuner kit, are spoken for.

Thanks.

Bob Parks K6AEC

Date: Sun, 21 Jun 1998 21:30:10 -0400 (EDT)
From: Robert Parks <rob3ert@vegas.infi.net>
To: qrp-1@Lehigh.EDU
Subject: [13586] FS -HB- Caps
Message-ID: <199806220130.VAA05961@fh102.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Whew! The caps are all spoken for, gang.

Thanks very much.

72/73

Bob Parks

Date: Sun, 21 Jun 1998 21:41:33 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>, Laurel ARC <larc-1@webtrek.com>, eax@w3eax.umd.edu,
pvrc@qth.net, grao@umbc.edu, tmurphy@itsc.org, dmarkle@vt.edu,
chiostri@itsc.org

Subject: [13587] Icom funmobile & SPRE satellite to visit Laurel, MD 6/24/98!
Message-ID: <Pine.LNX.3.95.980621213644.14906A-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The Laurel ARC club meeting this Wednesday will be graced with the presence of the Icom funmobile from 7-9 p.m.

Ken, N3FZX, will also be dragging along the Spartan Packet Radio Experiment payload, which flew as a payload on Spartan 206 (hand-launched from the shuttle once!), and you can even touch it!

(or, at least, he's told me he can grab it from work)

Anyway, see ya there!

384 Main St. - Laurel Women's Club - 7 p.m. Wed. 6/24/98

** Scott Rosenfeld NF3I & AAR3IB/T ** <http://w3eax.umd.edu/~ham> **
** Burtonsville, MD FM19mc * DXCC WAC WAS * QRP-L #147 * AK-QRP **
* Waiting for 6m to open... ** ARRL Life Member/Laurel ARC/UMARA *
** 301-549-1022(h) 301-982-1015(w) *** 35 wpm HF mobile CW Neon **

Date: Sun, 21 Jun 1998 21:47:17 -0700
From: kaliic <kaliic@ime.net>
To: qrp-l@Lehigh.EDU
Subject: [13588] re: straight key- help
Message-ID: <358DE1D5.12FE@ime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi everyone,

I'm a proud and independent type of guy and since my last spinal injury and operation I've had problems with a straight key. Don't say give it up... it's not my style or what I want.

Has anyone got any good ideas about how I could use a straight key again as my hands are shanky from the nerve damage? I tried asking the rehab people but being non-hams they didn't understand the need for using the straight key when they knew I could use a computer terminal... lets be honest it's hard enough to carry your stuff on your back with out adding

a computer! And some how it's not the same... You all know what I'm saying!

Thanks for the help in advance... you are the best bunch of guys I ever met up with!

73

Vince

ka1iic

-.--.

Date: Sun, 21 Jun 1998 19:27:55 -0700
From: Gary Evans <gevans@lightspeed.net>
To: qrp-l@Lehigh.EDU
Subject: [13589] Light-weight backpacking
Message-ID: <358DC129.D6872DB1@lightspeed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Over the years my backpack has become lighter. I used to carry about seventy pounds of "light-weight" gear and now as age has become more of a factor, I'm down to about forty. This last summer I was able to spend a week camped at about 9,000 feet in the Sierras, Northeast of Fresno. My radio gear consisted of the following:

Radio-Sierra

Antenna-20 meter dipole fed with RG-58/U.

Tuner-LGD qrp tuner

Power-2.0ah Power Pocket

Bands- 40, 30, 20

Key-Whiterock Model MK-22

I found that by keeping my feedline no longer than about 40 feet, I was able, with the tuner, to operate successfully on all of the above bands using the twenty-meter dipole.

My elevation was such that getting the antenna about 25-30 feet above ground was about all I needed. Contacts were plentiful on all bands. The battery powered both the radio and the tuner all week long. The radio equipment, pack, tent, and food for a week made the pack heavy, but fortunately I only had to carry it about five miles. The only thing missing was a fellow ham...Gary - AA6R

Date: Sun, 21 Jun 1998 22:34:24 -0400
From: Bill Wetherill <n2wg@wilmington.net>
To: qrp-1@Lehigh.EDU
Subject: [13590] ITEMS FOR SALE
Message-ID: <1.5.4.32.19980622023424.00662f20@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

To all...

I have the following items for sale. All are in excellent condition with original boxes. Prices include shipping in CONUS.

MFJ-204-B
ANTENNA BRIDGE (1.8-30 Mhz) \$55

MFJ-949-E
DELUXE 300 WATT ANTENNA TUNER (1.8-30 Mhz) \$90
(Does NOT include AC adapter)

MFJ-9440
40 METER SSB TRANSCEIVER \$195
INCLUDES- MICROPHONE & CW MODULE

73 Bill Wetherill - N2WG
n2wg@wilmington.net
PURITY OF ESSENCE----QRP
CARPE DIEM

Date: Sun, 21 Jun 1998 22:38:01 EDT
From: N5FOS@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13591] Tic Tac for a Tick.
Message-ID: <bd9e81fa.358dc38a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Everyone,

I just finished constructing a Tick Keyer. I mounted the small assembly

inside
of a Tic Tac (Registered Trademark) plastic container. It seemed to be the
perfect case.

A few weeks ago, I built a simple T/R switch and also mounted it inside a
Tic Tac case. I call it my Tic Tac T/R Hi! Hi!

I am also planing to mount a cw stereo filter in one of these containers
too.
I still need to etch the board though - as time permits, of course.

A few observations:

1. Before drilling a hole in the plastic case, be sure to start the whole
with
a small knife - I used an Exacto. Make a small starter indentation.
2. Drill all of the way through using a small bit. Next, graduate to the
next bit
size larger. Drill rather slowly, as the whole may "crack" otherwise.
3. Use assorted "pen files" to smooth out the holes after being drilled.
(Deburring) I have a little Radio Shack set of needle files that
work great!

There has been plenty of discussion regarding the Altoids Tins, which has
prompted me to just mention the Tic Tac case.

Any comments or criticism, please don't hesitate to forward.

TNX, Best 72's

Mike Griggs
N5FOS
n5fos@aol.com

Date: Sun, 21 Jun 1998 22:54:26 EDT
From: N5FOS@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13592] Label Remover Trick
Message-ID: <30993d71.358dc763@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi everyone,

I recently stumbled onto a simple label remover trick. From time to time,
I

use small "throw away" containers to mount projects - for example, the Tic Tac (Registered Trademark) case. I simply spray the labels with Tilex (Another Registered Trademark product). After waiting between 5 or 10 minutes, the label and it's adhesive underneath, easily slides off. I recommend washing the case thoroughly with water to rinse off afterwards. The chemical reaction of the solution seems to be the right mixture for the intended result.

Best 72's,

Mike Griggs
n5fos@aol.com

Date: Sun, 21 Jun 1998 23:04:32 EDT
From: N5FOS@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13593] Tape Socket Holders
Message-ID: <b0e9e58a.358dc9c1@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi everyone,

It seems that most of my projects here lately require soldering IC sockets onto pwb's. I still use probably the oldest method known. After placing the socket on the board correctly, I simply take a piece of tape and place onto the top of the socket and wrap to the board. I then carefully turn it over to begin careful soldering. This technique gives us that "third hand" we sometimes need most frequently.

New builders might need this simple small tip.

Best 72's,
Mike Griggs
n5fos@aol.com

I sure appreciate all of you! Peace and grace to all!

Date: Sun, 21 Jun 1998 23:16:58 -0400 (EDT)

From: art marshall <w1fji@vistech.net>
To: qrp-l@Lehigh.EDU
Subject: [13594] ICQ ??
Message-ID: <199806220316.XAA06865@44mag.vistech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Any of the QRP-L group on ICQ, art w1fji

Date: Sun, 21 Jun 1998 23:23:08 EDT
From: N5FOS@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13595] Billfold Certs Box
Message-ID: <6ed4960f.358dce1d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi everyone,

I recently built a small continuity tester out of a "Musical Christmas Card".

I took the project one step further. I mounted the small pwb inside of a Certs Breath Mint (Registered Trademark) flat plastic box. I removed the massive label using the Tilex method - as previously described. This neat little project fits very nicely into my wallet. I also use this unit as a handy "side-tone" for my qrp rigs. I also use the project to simply test my keys. The box was a "throw away container". The circuit board assembly out of the card was .89 cents. I like getting a whole lot for so little! Another qrp idea!

Best 72's,
Mike Griggs
N5FOS
n5fos@aol.com

Date: Sun, 21 Jun 1998 23:30:55 -0400 (EDT)
From: Robert Parks <rob3ert@vegas.infi.net>
To: qrp-l@Lehigh.EDU
Subject: [13596] FS ZM-1 Antenna Tuner Kit

Message-ID: <199806220330.XAA13463@fh102.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

This is the only item left from those I offered earlier. Seeing as it didn't sell at \$45.00, I'm lowering the price to \$40.00, including shipping, CONUS. Adding the SWR circuit which is the only difference between this tuner and the new ZM-2, shouldn't cost \$5.00, which makes this a real bargain. As I mentioned before, this kit is as received, untouched.

If interested, please contact me directly.

Thanks es 72/73

Bob Parks
K6AEC (Las Vegas)

Date: Sun, 21 Jun 1998 21:30:40 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: wb8ygg@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13597] Re: Why not 3V?
Message-ID: <Pine.SOL.3.91.980621212034.23027B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 21 Jun 1998 wb8ygg@juno.com wrote:
> I would rather see 6V.
>
> The 6V Gell cells are everywhere.
> Nobody wants them, so they are cheap.
> Why not start a fad.
> 73
> Brad WB8YGG
> Embedded Research

Like I don't have enough irons in the fire right now with a couple of rigs in progress ... but when I get everything off the back burner, I was seriously thinking about building a QRP receiver using the new 3V wide band ops amp from a 6V battery, by running them off of +3v and

-3v. There are some obvious advantages to operating such devices from split power supplies, especially for lower noise figures due to reduction in common mode noise. There's little point to doing this in the transmitter chain, so the receiver only would mean a constant current draw, such that a simple voltage divider with modest regulation would suffice to make the split 3v from a 6v source.

Then run the transmitter from 12v (two 6v batteries), except the MOSFET power, which would run off of -6 to +12v for 18v and hence far better MOSFET efficiency than the 12v we try to use with them (considering they don't go into full conduction until about 12v on the gate, for which exceeds the drain voltage at that point).

There's plenty of room for some innovation with this thread!!!

72, Paul NA5N

Date: Sun, 21 Jun 1998 23:34:22 -0400
From: "Larry Laffoon" <w3rl@EMAIL.MSN.COM>
To: <qrp-1@Lehigh.EDU>
Subject: [13598] Need Mini Quad manual!
Message-ID: <0e42e2333031668UPIMSSMTPUSR03@email.msn.com>

Hello; The name here is Larry and I need a manual for an antenna made by Mini Products, the HQ1-Mini Quad. If anyone can make a copy for me I would be glad to pay for postage, etc. Thanks, Larry, w3rl@msn.com

Date: Sun, 21 Jun 1998 22:33:23 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-1@Lehigh.EDU>
Subject: [13599] KnightSMITe station in a shoe polish can
Message-ID: <01bd9d8e\$826f6fe0\$91b054d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

During Rex Harpers interesting and humorus presentation at the FDIIM

symposium someone mentioned shoe polish cans. That really caught my interest since I'm always looking for something to build in that looks fairly nice yet is inconspicuous.

Last weekend I decided to attempt a little SMITe station in one and this weekend I finished it. It includes the SMITe transceiver, a homebrew key, a RS #273-059 buzzer for the sidetone monitor, the Rainbow tuner, ScQRPion Visual SWR Indicator, 9V. battery, an on/off switch, tuner bypass switch, and phone jack, all under the cover. I was surprised at how well everything fit in the 3 1/2" diameter x 1 1/8" can. It's mounted to a round piece of PC board that is fastened to the bottom half of the can. I'll probably line it with a thin layer of automotive body filler for strength.

I've been disappointed to not be seeing any KnightSMITe mods posted since I've been on QRP-L. Are people building these? Hasn't anyone come up with some neat mods? A bunch of them have been sold and I'd bet almost everybody who's built one would agree that it's one neat project for an unbelievable price - and each one packaged with TLC. I'm very grateful for all the hard work and generosity that the Knightlites have put into it.

Denny N9JXY

Date: Sun, 21 Jun 1998 23:50:50 EDT
From: N5FOS@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13600] ICM Instant OSC./QRP Transmitter
Message-ID: <79518722.358dd49b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang,

A couple of weeks ago, we all enjoyed another great HamCom here in Arlington, TX. It was fun to attend the regular qrp forum and see everyone again.

While wondering through the outside flea market, I found the great Electronic Candy Store from Oklahoma City. These folks are great! They just had everything I needed, and seemingly endless parts. I highly recommend this source to all of you. They have a web site too. I have corresponded to them by way of slow mail. They have shipped me parts without worrying about costs. They operate with such kindness and fairness.

Anyway, I purchased a few interesting assemblies from them. I paid \$1.00 each for the ICM Osc. board circuits. ICM is located in Oklahoma City too - as

everyone probably knows. I bought 3 of them at \$1.00 each. I am currently in the process of changing a few capacitors and resistors to form (3) new qrp transmitters. I also purchased the "board connectors" for these three too.

I will build a simple "wiring harness" for these connectors. The wiring harness will be neat, as each wire has a purpose. Two wires will be the key connectors.

Two wires will be the source. Etc. I still need to purchase the proper crystals.

Another "ongoing project" Hi! Hi!

Best 72's,
Mike Griggs
N5FOS
n5fos@aol.com

Date: Sun, 21 Jun 1998 22:59:19 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: N5FOS@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13601] Re: Tape Socket Holders
Message-ID: <358DD697.27AE5CE8@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Works good for other small parts as well.

--
72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

N5FOS@aol.com wrote:

>
> Hi everyone,
> It seems that most of my projects here lately require soldering IC
> sockets
> onto pwb's. I still use probably the oldest method known. After placing the
> socket on the board correctly, I simply take a piece of tape and place onto
> the

> top of the socket and wrap to the board. I then carefully turn it over to
> begin
> careful soldering. This technique gives us that "third hand" we sometimes need
> most frequently.
>
> New builders might need this simple small tip.
>
> Best 72's,
> Mike Griggs
> n5fos@aol.com
>
> I sure appreciate all of you! Peace and grace to all!

Date: Mon, 22 Jun 1998 00:29:54 -0400
From: k7sz@juno.com (Richard H Arland)
To: qrp-1@Lehigh.EDU
Subject: [13602] CQ Embedded Brad
Message-ID: <19980622.003102.3486.1.k7sz@juno.com>

Brad:

I am using my daughter's computer in Athens, GA and don't have your e-mail address in the address book here.

Please e-mail me ASAP...need to talk about the Argosy AF filter.

73 rich K7SZ

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 22 Jun 1998 01:07:46 -0400
From: "Larry Laffoon" <w3rl@email.msn.com>
To: <qrp-1@Lehigh.EDU>
Subject: [13603] Argonaut 509 for sale.
Message-ID: <010665006051668UPIMSSMTPUSR02@email.msn.com>

Hi Gang;

I have decided to part with my Ten Tec Argonaut 509, with MFJ Versa tuner II, model 941 C and a small 3 amp AC power supply. Have

manual and handmic. Will ship all for \$175. Postal money order preferred.
Thanks, Larry, w3rl@msn.com

Date: Thu, 11 Jun 1998 17:06:53 -0600
From: Armstrongs <barmstrong@mail.SISNA.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [13604] Backpacking with QRP
Message-ID: <1.5.4.32.19980611230653.006ac030@mail.SISNA.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Some comments about backpacking:

I agree with most of the comments made earlier. Tiny rigs have made these the golden days of QRP backpacking. I packed a Power Mite, and then a HW7, a HW8 and a HW9 in the past. They were all too heavy for comfort. The new ultralight monobanders are fabulous - I love my SST collection.

Think first about backpacking skills and equipment, and then add radios. Learn about sunburn, poison plants, dehydration, exposure and hypothermia. Know your limits, and keep your gear light. It's no fun to pack a heavy load, and it's not necessary, either.

Day hikes with QRP are great fun. I have my QRP gear loaded in a day pack with some basic survival gear, an antenna, tuner, log and rig. My water bottles and a hiking lunch is packed and ready to go all the time (literally). The pack sits by my desk in the shack waiting for me. A ten mile day hike with a small pack is a delight, and this distance allows an hour or two of QRP operating.

For any kind of an extended trip check the propagation forecasts and chose your rig and antennas based on band openings. Miniprop or a similar program helps a great deal.

Re: Solar power. I use an AA battery pack. I split the pack in half and use a miniature DPDT switch to allow me to charge the pack with the halves in series (high voltage) or in parallel (lower voltage needed). My solar panel with a 9 volt output is much smaller/lighter to carry than one putting out enough voltage to charge a 12 - 14 volt battery pack.

I am amazed at how often I contact other campers/hikers when I am on the trail with my QRP gear. I've never actually SEEN another QRP backpacker,

but this list and the Adventure Radio Society convinces me that they actually exist.

de N7XJ (Bob - Central Utah)

Date: Mon, 22 Jun 1998 01:14:00 -0500
From: Lee Bahr <w5drc@ix.netcom.com>
To: N5FOS@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13605] Re: Label Remover Trick
Message-ID: <358DF628.FC84C878@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A WD-40 type product or some mineral oil which can be purchased at a hardware store or pharmacy works GREAT too! I like mineral oil because it is cheap and a bottle lasts for years. Mineral oil has NEVER messed up a cabinet, front panel or part on me yet. This stuff dissolves the sticker glue and then you can wipe off the residue. I once bought a boat anchor that had a plastic badge with very dried on sticky glue attaching the badge to the front of the radio. This adhesive was like old masking tape adhesive that was left on the panel for years. Heat had turned the adhesive to resemble the hardness of glass. I soaked the adhesive with mineral oil over night and the next morning, POOF !!!! PRESTO !!!! The adhesive was soft and I could remove everything without messing up the radio's front panel. Mineral oil dissolves the sticky adhesive and does not evaporate, thus it puts everything you want to disolve and remove into suspension. Once you try this you will be hooked with this technique for life !!! Good luck. Lee w0vt
N5FOS@aol.com wrote:

> Hi everyone,
> I recently stumbled onto a simple label remover trick. From time to time,
> I
> use small "throw away" containers to mount projects - for example, the Tic Tac
> (Registered Trademark) case. I simply spray the labels with Tilex (Another
> Registered Trademark product). After waiting between 5 or 10 minutes, the
> label
> and it's adhesive underneath, easily slides off. I recommend washing the case
> thoroughly with water to rinse off afterwards. The chemical reaction of the
> solution seems to be the right mixture for the intended result.
>
> Best 72's,

>
> Mike Griggs
> n5fos@aol.com

Date: Mon, 22 Jun 1998 00:06:29 -0700
From: W7LS <w7ls@blarg.net>
To: qrp-1@Lehigh.EDU
Subject: [13606] Heath HD-1422 noise bridge FS/trade
Message-ID: <358E0275.4281@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. I Still have the noise bridge for sale or trade. I messed up as to who wanted it. I told two people that it was sold, erroneously. It is available. \$35 and whatever US Mail dings me. Probably \$5.

It is brown, done in the motif of the Heathkit HW-9 radios and accessories. It is most useful for tuning up an antenna tuner. You set it for 50 ohms resistive, with no reactance, and adjust the tuner for a null in receiver noise. There you have it. You have just set your tuner up to make a 50 ohm match without even using your transmitter.

I have the original manual for it, too. It is nicely built and works per the specs. It can also be used to measure just what the impedance of your antenna is. It will tell you if your antenna is too long or too short, etc.

e-mail if you have questions. 73 de Jim, W7LS

Date: Mon, 22 Jun 1998 09:08:54 +-200
From: Uwe Cappeller <cappelle@mailer.uni-marburg.de>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [13607] Santec Jim MX-7S(T)??
Message-ID: <01BD9DBD.6238A0A0@pc1493.Phys-Chemie.Uni-Marburg.DE>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Hello Gang,

I friend have giveb me a small handheld trcvr. It is a Jim MX-7S for =

ssb and cw.

For band setting I have to use crystals but I have no documents for the =
trcvr and I need the vfo-frequency and also the if- frequencys or better =
the whole document! Can help me somebody?

Thank you for helping!

Uwe

DL5FDK

DL-QRP AG *GM*

G-QRP *9326*

Date: Sun, 21 Jun 1998 06:17:32 -0700
From: Jerry ODell <jwodel1@mpdr0.detroit.mi.ameritech.net>
To: qrp-l@Lehigh.EDU
Subject: [13608] noise bridge results
Message-ID: <358D07EC.72D3A972@mailhost.det.ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Whoops -- I didn't write down the number of
the ten tec noise-bridge-like module,
but it's on www.tentec.com. Gonna
call them this am.

73 Jerry W8GND

Date: Mon, 22 Jun 1998 07:25:06 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Jerry ODell <jwodel1@mpdr0.detroit.mi.ameritech.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13609] Re: Noise Bridges
Message-ID: <Pine.GS0.3.96.980622072302.26797A-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have the MFJ. Works according to spec. The expanded X position is
handy, but, of course, this is not a super precision instrument. However,
very useful adjunct to the SWR analyzer (Autek here), especially for
measurements in the shack and for resolving the R/X portions of impedance
reported by the RF-1. Mine is quite a few years old now and still fine.

-73-

LB, W4RNL

Date: Mon, 22 Jun 1998 07:26:35 -0400
From: Peter_Simpson@ne.3com.com
To: qrp-l@Lehigh.EDU
Subject: [13610] GPS rollover reference
Message-ID: <8525662B.003EB905.00@usboxmta.ne.3com.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

This reference should answer the obvious question:

<http://www.sailingworld.com/jmnewage.htm>

72,
Peter, KA1AXY

Date: Mon, 22 Jun 1998 08:51:32 -0400 (EDT)
From: Art Marshall <w1fji@vistech.net>
To: qrp-l@Lehigh.EDU
Subject: [13611] QPR group
Message-ID: <199806221251.IAA08746@44mag.vistech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

WOW !! good response to my question on ICQ, has a QRP-L group been formed, can I do a search for QRP-l and come up with a group list, and are there any chat times everyone is on ?? thanks agn 73 art w1fji

Date: Mon, 22 Jun 1998 06:53:11 -0600
From: w0yse@juno.com (Neil Klagge)
To: qrp-1@Lehigh.EDU
Subject: [13612] sold: 2m beam and archerotor
Message-ID: <19980622.072538.6686.2.w0yse@juno.com>

The beam and rotor have been spoken for. Thanks to all who responded.

---72/73's
Neil, w0yse since '54
now from Layton, Utah

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 22 Jun 1998 07:25:37 -0600
From: w0yse@juno.com (Neil Klagge)
To: qrp-1@Lehigh.EDU
Subject: [13613] ua0zc on 2W !!
Message-ID: <19980622.072538.6686.4.w0yse@juno.com>

Wow. This QRP can knock your sox off!! This morning at 0445 (MDT) I nabbed UA0ZC on 7.004 with 2 watts into my R7000 vertical. He gave me 559 and was running 100 watts to a delta loop. I got a bigger rush out of this contact than I did 20 years ago with my homebrew 600 watt linear. I agree with Jeff, AC6KW: "QRP'ers do it with less energy (but lot's of enthusiasm)!"

Now I want his QSL. He said to qsl direct from the callbook. I have a 1992 CB but the address does not seem to be complete. He said his QTH was Kamchatka, but my callbook says "box 12, 683000 Petropavlovsk" Do I also need to add "Kamchatka, Russia" or what?? Can anyone help me out on this??

Thanks in advance,

---72/73's
Neil, w0yse since '54

now from Layton, Utah

P.S. My thanks to Ron Zoerb, KI0II for selling me this neat little QRP EXPLORER II.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 22 Jun 1998 09:48:50 EDT
From: Ab7wy@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13614] Re: ua0zc on 2W !!
Message-ID: <9bed3eae.358e60c3@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

hi neil, the complete address for UA0ZC that i have is: Valery Makarov, p.o.
box 12 Petropavlovsk, Kamchatsky 683000 Russia.....nice catch for 2w! i hope
this helps. 72 Adam, AB7WY

Date: Mon, 22 Jun 1998 10:22:02 -0400
From: "Peter C. Buehner" <kc8er@harborcom.net>
To: <qrp-1@Lehigh.EDU>
Subject: [13615] FS: MFJ 40meter QRP
Message-ID: <002201bd9de9\$20ad21c0\$7d4c44ce@ppp.harborcom.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale:

MFJ-40meter QRP (MFJ-9040)
In great shape and working beautifully.
looking at the 20 meter model now!

\$145.00, prefer Postal Money Order and I will ship.

de Pete, KC8ER
kc8er@harborcom.net

Date: Mon, 22 Jun 1998 10:22:47 -0400
From: "J. D. Beischel" <jduffy1@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [13616] SGC-2020
Message-ID: <358E68B6.606860E7@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I don't know how many of you have tried to get the SG-2020 radio, but something smells a little funny with SGC's promotion of the product and its inability to deliver the product. SGC says they are shipping the product to dealers, yet I have been unable to locate any dealer that has EVER received a shipment of the SG-2020.

How did I arrive at this conclusion? I called every SGC dealer listed in QST. Every dealer I spoke with told me that they had never received a shipment of the SG-2020 radios. You would think that if anyone received the radios first, it would be the larger dealers. Think AES or HRO received any SG-2020s to date. Not a one.

I was able to obtain the following information from several phone calls and e-mails. SGC says they are shipping to dealers. When I specifically asked what dealers they shipped SG-2020 radios to, they said they did not know. When I asked them to give me the name of any dealer that received a SG-2020, they could not come up with one name. When I asked how many radios have been shipped so far, they did not know. When I asked how many radios are being manufactured each week, they did not know. The answers did not come from the telephone operator, I got her to transfer me to someone on the SG-2020 project.

Their e-mails said that I can expect to wait 90 days for the radio. HRO said 30 days and SGC was telling people at the Dayton Hamfest (they personally told me and others standing there) that it took 60 days to get the radio. The e-mail said that they had "several hundred" radios on back order. 90 days to produce a few hundred radios? Bruce was a one man operation at Index and did way better than this! Wow, no wonder people like Kenwood, Icom and Yaesu have put American manufacturers out

of business over the years.

It does not seem that SGC is being honest and upfront about the real availability of the radio. However, they keep promoting the sale of the radio. Reminds me of the AOL situation that occurred in late '96. Keep promoting the service, yet no one can get on. I like to buy American whenever possible, but please, don't abuse the customer.

Regards,

Duffy - WB8NUT

Date: Mon, 22 Jun 1998 07:48:35 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: Peter_Simpson@ne.3com.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13617] Re: GPS rollover reference
Message-ID: <358E0C53.4A64E637@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks, Peter. Good stuff there.

For others' info, GPS Rollover and Y2K problems are not the same. The sky isn't falling yet, :-)

--

72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ
"The problem with doing nothing is not knowing when you're finished"
(Nelson DeMille)

Date: Mon, 22 Jun 1998 10:50:18 -0400
From: Joseph Trombino jr <joebarb@wilmington.net>
To: N5FOS@aol.com
Cc: QRP-L@Lehigh.EDU
Subject: [13618] Re: ICM Instant OSC./QRP Transmitter
Message-ID: <3.0.1.32.19980622105018.006dcd08@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:50 PM 6/21/98 EDT, you wrote:

>Hi Gang,
> A couple of weeks ago, we all enjoyed another great HamCom here in
>Arlington, TX. It was fun to attend the regular qrp forum and see everyone
>again.
> While wondering through the outside flea market, I found the great
>Electronic Candy Store from Oklahoma City. These folks are great! They just
>had everything I needed, and seemingly endless parts. I highly recommend this
>source to all of you. They have a web site too.

Hello Mike: Sounds like a good place to do business with--can you post the
URL for their WEB page to the list--I'm sure the folks would appreciate it.

Cheers and 73, Joe W2KJ

Date: Mon, 22 Jun 1998 22:56:50 -0400
From: cy r currier <crc3@telplus.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'dave@cds1.net'"
<dave@cds1.net>
Subject: [13619] RE: Proper Float / Charging Voltages
Message-ID: <01BD9E33.16F7C820@bgr67.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

the old standard used to be 13.8v . (a batt was fully charged when it =
showed 12.7v). i have used as low as 13.2v on one occasion but 13.5 or =
13.6 would be as low as i would go now. with 350ma you may want to use a =
200ma and a 100ma bulb to limit current. a series bulb filament will =
only pass it's rated current. switch them in as needed. why fry a good =
battery? the regulator is less of a problem if you limit the current. =
try it to see what works. you can always burn off extra juice with a =
couple of parallel bulbs, or charge a buddy's=20
or your spare battery. with the rx in the neighborhood of 20 - 50 ma =
drain and the tx 500 to 880 you may have extra juice. if u run digital =
displays add 400mils to everything. good luck.

From: Dave Willey
Sent: Sunday, June 21, 1998 5:27 PM
To: Low Power Amateur Radio Discussion
Subject: Proper Float / Charging Voltages

Hi Everyone,

Does anyone know what the proper float & slow charging voltages for the 12V 7A "Yuasa / Rocket" brand sealed batteries was suppose to be? (Current is less than=20 400ma at any time.)

I'm building up a folding solar panel for portable use. Fits right into the bottom of my QRP equipment gear bag. The panel can provide up to 20V w/o a load, and 320ma with the leads shorted together. Aprox. 3/4 of a watt or so.

Hope to have it done for the next NORCAL meeting in July.

Someone else from this list clued me into a float charger from Harbor Freight on sale for \$8. Wall-wort producing 15VAC @ 600ma into a small "black box" controller. I took the box apart (I ALWAYS take things apart to=20 see how thay do their stuff) and found I can cut off the wall-wart and just use the charge cube & bypass the four diode bridge inside. Just drive it direct from the panel. Neat thing is that there is a 1 turn pot that I think will allow me to set the final float output voltage to the=20 battery.

=20
Just need to find out the proper float / slow charge=20 voltage is suppose to be.

Thanks in advance for any help. =20

--
IF there indeed are other parallel universes... I can now rest in the knowledge, that in at least one of them, I am filthy rich and drive a red Ferrari.

--
To send a reply please remove "NOJUNKMAIL" from the return address, and replace "AT" with "@"

Dave Willey
e-mail: dave AT cds1.net =20
amateur e-mail: kd6kwm AT cds1.net
amateur packet: KD6KWM@KD6KWM.#NCA.CA.USA.NOAM

--
QRP-L #1567

Date: Mon, 22 Jun 1998 11:07:47 -0400
From: k7sz@juno.com (Richard H Arland)
To: tentec@qth.net, tentec@contesting.net, qrp-1@Lehigh.EDU
Subject: [13620] Needed: Argosy 525 Noise Blanker Schematic
Message-ID: <19980622.110747.3214.9.k7sz@juno.com>

Does anyone have a copy of the noise blanker for the Afgosy-II (Mdl: 525D) that they can photocopy for me? I understand that there are two versions of this accessory. Need to get the schematic for the one that fits the 525D.

Tnx. es 73

rich K7SZ

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Date: Mon, 22 Jun 1998 11:15:21 -0400
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [13621] ARRL Board of Directors Meeting July 16
Message-ID: <358E7509.912@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Fellow QRPers,

As a regular participant on this reflector, I have noted that there are occasional concerns or questions by QRPers about ARRL or its policies. I have done what I can to help explain ARRL policy (hopefully without agreeing or disagreeing with it) and to help keep the doors of communication open between ARRL and the QRP community.

I wanted to point out that the ARRL Board of Directors is going to be meeting here in Newington, CT in mid July. If any of you have any issues you would like to share with your ARRL Division Directors, this may be an excellent time to do so. In all matters, it is ARRL's policy to encourage members, and "prospective members," to use the most positive term I can think of to describe those who are not ARRL members

(:-)) to make their views known to their ARRL Division Directors.

You can do so by mail, telephone, in person at club meetings or conventions or by email. Information about your ARRL Division Director, including all of the above contact information, is available at <http://www.arrl.org/divisions/> . If you cannot download this, let me know and I will send you an ascii copy.

72 from the ARRL Laboratory,
Ed Hare, W1RFI
ARRL Laboratory Supervisor

Date: Mon, 22 Jun 1998 08:25:06 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13622] Re: ua0zc on 2W !!
Message-ID: <358E7752.AC05C0A3@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Neil Klagge wrote:

>

> Wow. This QRP can knock your sox off!! This morning at 0445 (MDT) I
> nabbed UA0ZC on 7.004 with 2 watts into my R7000 vertical. He gave me
> 559 and was running 100 watts to a delta loop.

Nothing like DX when conditions are good. I just finished up integrating a Small Wonder Freq-Mite (<http://www.fix.net/~jparker/sml.html>) morse code readout frequency counter in my all-in-one 20 meter OHR 100 (which nows contains rig, keyer, frequency counter, SCAF, and gel-cell), and I wanted to try it out. This weekend was the All Asian DX contest, so I just went up and down the band picking off JA's! I got only 599's, of course, although one of the JA's needed me to repeat my call numerous times before he got it. All this with 5 watts and a dipole.

About the Freq-Mite kit: it is simple and cheap and worked the first time. You just push a button and it sends the last 3 digits of your frequency in Morse code.
Vic, K2VCO

Date: Mon, 22 Jun 1998 11:27:48 -0400
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-1@Lehigh.EDU
Subject: [13623] Elmer 101 Contribution - Keyer Addition to SW-40+
Message-ID: <8525662B.0050AD1E.00@dpinet01.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

This past weekend I finished up the addition of a K8 Keyer into my SW-40+. I tried to add the audio injection at the junction of R9 and R10, but could not get this to work correctly. Evidently the great impedance change seen at this point between the FET (Q1) being on and off between receive and transmit makes a big change in the audio signal from a keyer like the K8 and TiCK with the hi-Z looking back into the keyer attenuation network. There was an extreme difference in the levels for listening to the command feedback (during rcve) and the sidetone out (during transmit) from the keyer. I could not find a reasonable solution to this problem.

So, I ended up adding the audio into the last U4 stage at the junction point of R10, R11, C25, and C26. Audio from the K8 is fed into this point thru a 220K resistor and 0.01mfd cap in series. The attenuation resistors (don't forget these) on the K8 PWB are set at R1 = 100K and R2 = 27K. Wave shaping/isolation caps, C3 and C4, on the K8 are both 0.1mfd. This setup works great. I do not notice any affects to the bandpass filtering performed in this U4 stage, but I have not made any quantitative measurements as yet -- and probably won't -- since I could not hear any change in playing around! It should be ok considering the hi-Z looking back into the keyer.

After any keyer setup upon turning on the rig, I perform the "A" command to turn the K8 sidetone (during transmit) off and just use the SW-40+ sidetone. You can listen to both if you like - just sounds like a choo-choo train with the two sidetones beating together! Ha!

The K8 PWB is mounted inside the rig on a standoff at the back left corner (above VFO area). On this installation I did something a bit different and used miniature plugin connectors for the K8 connections. Mounted a mini-pushbutton switch in the lower left corner of the front panel. Added a second jack for paddle input above the existing key input jack. Put the K8 Transmit Key output in parallel with the keyline from the original key jack. Plug in either key - straight or paddle - or both for that matter and rig will work with whichever you use. The audio feed looks something like this:

```

K8 ST OUT  o--()-----()---/\ /\ \----| (----->
R10/C25 Junct
                                     |_____|      220K      0.01
K8 Gnd      o--|

```

I used RG-178 small teflon coax for the audio feed. Love that cable! Shield is grounded only at the K8 end. The 220K and .01mfd are connected in series at the SW-40 PWB. I put a small hole in the PWB near the R10/C25 junction and mounted the disk cap standing up. Right now the 220K is connected between the cable end and the cap since I was prototyping all this. Probably will move it back to the K8 PWB somehow, but it looks/works fine as it is now. You could do this underneath the PWB too.

I hope to have modified schematics and some video pics I took on a web page in the near future. Will let you know when I get this done for those that may need more details of what I did.

Integrating a TiCK keyer would be very similar, but from remembering some past usage of both of these keyers, there is a difference in the sidetone levels out and the attenuation resistors would be different with the TiCK. You'll have to determine these as I don't have another TiCK keyer to try at present.

Enjoy and 72 - Watson/WB4EXW

```

-----
Date: Mon, 22 Jun 1998 11:58:38 -0400
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-l@Lehigh.EDU
Subject: [13624] Last Message on Keyer - An Attachment?
Message-ID: <8525662B.0057755B.00@dpinet01.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

```

Hey guys, I have no idea why the message I just posted on adding the K8 keyer came out as an attachment. That has not happened before! If someone knows what might have changed, please let me know. Was it length? I don't know of anything that I changed on this end from aspects of mail, etc. I am baffled!

Will be interesting to see if this note is treated the same way too.

Thanks - Watson/WB4EXW

Date: Mon, 22 Jun 1998 12:08:52 -0400 (EDT)
From: Robert Parks <rob3ert@vegas.infi.net>
To: qrp-1@Lehigh.EDU
Subject: [13625] FS ZM-1
Message-ID: <199806221608.MAA05771@fh102.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

The ZM-1 is spoken for.

Thank you, all.

72/73

Bob Parks
K6AEC

Date: Mon, 22 Jun 1998 12:21:57 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [13626] Help - voyage to Phoenix/Flagstaff, AZ for Tuthill swap!
Message-ID: <Pine.LNX.3.95.980622120405.19649A-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

OK...am voyaging to Tuthill, as I did last year!

Fortunately, this time around, I'll also have a car BUT I need to get from Phoenix to Flag on Thursday evening.

Last year, Joe G. AB7TT was kind enough to pick me up at the airport on Thursday afternoon for a drive up to Flagstaff in exchange for a place to sleep Thursday night. This guaranteed that on Friday morning, we were

awake and alert for the opening of the swapmeet!

Well, it's happening again...if anyone would relish the thought of going up to Flag on Thursday night, and staying at my sister's place for a night, I'd be delighted to know of it, and would thank you profusely.

Alternately, if you know of anyone who has a REALLLLLLLY cheap auto rental for a couple of days, maybe I can drive down to Tucson to visit another ham I know, and then show up back in Phoenix for a lift up to Flag for the fest on Thursday evening or Friday morning.

This is one of the highlights of my year...it's also my sister's birthday, and she's also KC7QLZ, so feel free to wish her one as such.

I look forward to seeing you good folks again, and I suspect I'm on the hook for some Dos Equis or something silly like that, even though I don't like beer a whole lot...

** Scott Rosenfeld NF3I & AAR3IB/T ** <http://w3eax.umd.edu/~ham> **
** Burtonsville, MD FM19mc * DXCC WAC WAS * QRP-L #147 * AK-QRP **
* Waiting for 6m to open... ** ARRL Life Member/Laurel ARC/UMARA *
** 301-549-1022(h) 301-982-1015(w) *** 35 wpm HF mobile CW Neon **

Date: Mon, 22 Jun 1998 11:38:11
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [13627] Why not 6V?
Message-ID: <3.0.3.16.19980622113811.2b6fcd3c@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It looks to me that the Small Wonders Lab SW40+ could be made to work on 6 volts with out too much trouble. The regulator would have to be changed out to a low drop out 5 volt type, and the bias resistors on the Tx drivers tweaked. Expect about 350 mw out, with out changing L2 for a transformer. Bet it would run for quite a while on 4 "C" cells.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 22 Jun 1998 09:35:36 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [13628] QRZ and QSL Wrangell Island (fwd)
Message-ID: <199806221635.JAA09706@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Howdy Folks,

Don asked me to forward this to QRP-L. Seems if they can avoid the bears this time and keep the beer stocked up, all should go smoothly. :-) Full message appended below...

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"'Fraid nobody around here, understands my potato;
Think I'm only a Spudboy, looking for a real tomato." -DEVO

--- FORWARDED MESSAGE ---

> From: donroher@juno.com (DONALD I ROHER)
>
> We will be on the air 24 June until late 05 July. We will scan 7.110,
> 7.120, 7.130, 7.140, 28.110 cw and 28.440 ssb. We plan to trans mit at
> 7.140 , 28.110 and 28.440. We will try to keep power down to and below
> 5 watts. We will use NL7QT call.
>
> It looks as if we will not have our SG-2020 in time for this trip. HRO
> tried their best... we may cancel order and take a TS-50 much to de
> lite of Kenwood. They were very helpful with power setting information.
> This we would operate at 500MW, 950MW and 5 WT ranges.
>
> If you do not hear us, give us a call, you may be the one that lets us
> know band is open. There are reasons why we may be "temporarily not
> transmitting". From last trip, longest interval was caused by a Bear on
> our ledge, second longest period was a Beer run by boat to town (only way
> in is by boat or float plane, at \$1.50 per pound air freight adds up
> quick), so again call it may wake us up, we could just be out on porch
> enjoying the view.....

>
> QSL's.... We call: asking for QRP stations only, then call for non
> U.S. stations, then U.S. call zones by number 0 thru 9. We reply to all
> QSL cards, even duplicates, please send only stamped QSL cards, no
> envelopes, stamps or IRC's, these slow down the reply process. We
> sometimes end up with 800 to 1200 cards and it is a long process to reply
> to all of them, so please just one card. Mail all cards to the Alaska
> QSL Burrough.
>
> Hope to here meny of during this period.....

(End of forwarded message)

Date: Tue, 23 Jun 1998 00:39:43 -0400
From: cy r currier <crc3@telplus.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>,
"'barmstrong@mail.SISNA.com'" <barmstrong@mail.SISNA.com>
Subject: [13629] RE: Backpacking with QRP
Message-ID: <01BD9E3F.6E1155C0@bgr97.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

speaking of solar panels i got one at vip auto parts. it's made in china =
and says 175ma. not! it puts out 40ma but should meet many backpack =
needs. it is abt 9"x2" and the plug is heavier than the panel. it is or =
was on sale also at harbor freight. \$16 range. jc whitney has a 125 mil =
one fr \$30. these appeal
because they are ready to go.

speaking of power mite i would like to find a reasonable pm2b. i also =
seek a drake 2c w speaker and q mult. i had to part with mine when i =
first became disabled, now i want them back. thank u and good luck. =20

cy - k1tes crc3@telplus.net =20

From: Armstrongs
Sent: Thursday, June 11, 1998 7:06 PM
To: Low Power Amateur Radio Discussion
Subject: Backpacking with QRP

Some comments about backpacking:

I agree with most of the comments made earlier. Tiny rigs have made =

these
the golden days of QRP backpacking. I packed a Power Mite, and then a =
HW7,
a HW8 and a HW9 in the past. They were all too heavy for comfort. The =
new
ultralight monobanders are fabulous - I love my SST collection.

Think first about backpacking skills and equipment, and then add radios.
Learn about sunburn, poison plants, dehydration, exposure and =
hypothermia.
Know your limits, and keep your gear light. It's no fun to pack a heavy
load, and it's not necessary, either.

Day hikes with QRP are great fun. I have my QRP gear loaded in a day =
pack
with some basic survival gear, an antenna, tuner, log and rig. My water
bottles and a hiking lunch is packed and ready to go all the time
(literally). The pack sits by my desk in the shack waiting for me. A =
ten
mile day hike with a small pack is a delight, and this distance allows =
an
hour or two of QRP operating.

For any kind of an extended trip check the propagation forecasts and =
chose
your rig and antennas based on band openings. Miniprop or a similar =
program
helps a great deal.

Re: Solar power. I use an AA battery pack. I split the pack in half =
and
use a miniature DPDT switch to allow me to charge the pack with the =
halves
in series (high voltage) or in parallel (lower voltage needed). My solar
panel with a 9 volt output is much smaller/lighter to carry than one =
putting
out enough voltage to charge a 12 - 14 volt battery pack.

I am amazed at how often I contact other campers/hikers when I am on the
trail with my QRP gear. I've never actually SEEN another QRP =
backpacker,
but this list and the Adventure Radio Society convinces me that they
actually exist.

de N7XJ (Bob - Central Utah)

=20

Date: Mon, 22 Jun 1998 12:58:08 -0400
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-1@Lehigh.EDU
Subject: [13630] Re: Last Message on Keyer - An Attachment?
Message-ID: <8525662B.005CE3DD.00@dpinet01.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Have gotten this from 2 people so is good to hear that on the reflector end it seems ok. Now I gotta find out why both of the messages I posted are coming back to me as some FILENAME.UNK if I remember the name correctly rather than the text I used to see. Strange! Have not posted anything real recently, but something has surely changed somewhere on this end, I assume. Thanks.

Watson/WB4EXW

----- Forwarded by Watson R Gabriel Jr/Gen/DukePower on
06/22/98 12:51 PM -----

Was not an attachment to me!

Mike - WOTMW

Date: Mon, 22 Jun 1998 11:43:06 -0500
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-1" <qrp-1@Lehigh.EDU>
Subject: [13631] Re: Rev Polarity Protection
Message-ID: <000601bd9dff\$08c39a60\$a10a5e2c@groucho>

Here's a method that works great, has no voltage drop, and uses no fuses. Get a small 12 volt relay and wire it in series with a diode across the incoming power leads. If the polarity is correct, the relay contacts close and allow

the radio to be powered up.

Hope this Helps

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRQ #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Mon, 22 Jun 1998 17:05:31 +0000

From: Ed Loranger <we6w@qsl.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [13632] Ceramic Tuning Tool found!

Message-ID: <358E8EDB.30F0@qsl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

QRP-1 Gang, I was using one of them this weekend to tune up the ICF-6700W receiver. I have about 5 or 6 of these in various stages of broken-ness :) :) One that had a good tip and was the one I was using.

Here's the good news: This one had a sticker on it.

MICROMETALS, Anaheim, CA. (Full address forgotten..)

A web search moments ago I found their web site:

<http://www.micrometals.com/>

Micrometals, Inc.

5615 E. La Palma Avenue Anaheim, CA 92807

Phone: 714-970-9400, Toll Free: 800-356-5977

FAX 714-970-0400

E-Mail: sales@micrometals.com

That's the place!!!

Nice to have tuning tool.

-Ed

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Mon, 22 Jun 1998 17:35:24 +0000
From: Ed Loranger <we6w@qsl.net>
To: k5gq@juno.com, tandt@townsqx.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13633] Re: sending signals thru the earth
Message-ID: <358E95DC.9ED@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I believe he is looking for a ONE-Time only ever in print
article.

Terraquaphone.

I sent a copy Gratis to a list member. But am totally
swamped with activities right now.

Maybe someone else can help or Look me up in a month
or so.

Best to you,

-Ed

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Mon, 22 Jun 1998 13:48:57 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [13634] Missing Embedded Research prizes found!

Message-ID: <Pine.LNX.3.95.980622134307.20071D-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

After a month, the accidental recipient of FOUR Embedded Research door prizes (from the banquet) has returned them and they've been drawn for by the secretary here at work.

The prizes that were "LOST" because yours truly, like an idiot, never opened the mailing box and was too busy to remember that there might have been more than one prize inside it.

ADDITONAL PRIZES:

Tick Keyer (2)
One Tixie

I'm letting the three winners beat each up over who gets what.

G0BPS/Dick Pascoe
KB3BWR/Toby Widdicombe (chose a Tick already)
KB8RVS/Dave Powers

** Scott Rosenfeld NF3I & AAR3IB/T ** <http://w3eax.umd.edu/~ham> **
** Burtonsville, MD FM19mc * DXCC WAC WAS * QRP-L #147 * AK-QRP **
* Waiting for 6m to open... ** ARRL Life Member/Laurel ARC/UMARA *
** 301-549-1022(h) 301-982-1015(w) *** 35 wpm HF mobile CW Neon **

Date: 22 Jun 1998 12:44:09 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: ku7y@dri.edu, qrp-l@Lehigh.EDU
Subject: [13635] RE: Gap review in Rad Com
Message-ID: <n1313602989.66216@msmailgw1.arlut.utexas.edu>

All good points Ron,
I think I should emphasize I was pointing out that the comparisons do have to be done with the knowledge of the factors that can greatly affect one antenna over another, ie, the angle of take off, the point where the high current happens, etc. For ground wave, there is the accepted standard of field strength measure as a comparison of antennas. If one had access to an airplane, or portable mast on a truck you could do the same for the max take off angle of antennas, and maybe hams should try to do that with light PVC masts, and simple remote reading field strength meters.

Yes, as I acknowledged, we all do the comparison without regard to whether the antennas we are comparing are really looking at different areas of the sky in terms of their usual response. A low dipole is really a high angle antenna, and a full wave loop can vary widely in how it behaves whether it is horizontal, or a delta vertical plane, etc.

Testing a vertical vs. horizontal Yagi will show some signals on a Yagi you don't hear on the vertical, and vice versa at other times. I suspect a high enough Yagi will give a good DX account of itself most of the time, but a vertical might do better DX than a low yagi, if the vertical has good counterpoise, or radials, or is raised to minimize ground loss. You might comment on how early or late you hear the DX since you put in your Yagis and tower.

Perhaps, we hams typically actually do the right thing, just randomly trying one antenna after another at a given site, because only by that method will we determine over the long haul what type of skip signals reach our location, and how well we can launch a ground wave from our location. The field strength readings do have to be taken at elevated locations as well as on the ground to really characterize the antenna in question.

72, Stuart K5KVH

Date: Mon, 22 Jun 1998 12:54:47 -0500
From: Lee Bahr <w5drc@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [13636] Mineral Oil or Mineral Spirits
Message-ID: <358E9A67.C5A2F14@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As I mentioned in another post, this stuff is marvelous for removing stickers, labels, and masking tape from just about any metal or plastic surface. Mineral Oil is clear like water and is highly refined. It does not seem to bother any paint or plastic, yet it dissolves the mastic holding the label. Mineral Oil does not evaporate quickly so you have time to get back to the project after soaking it to remove the label and adhesive. Mineral Oil makes removing labels FUN !! I can see where label removing may become a hobby in itself. You will find yourself looking for labels to remove. You will feel urges to remove labels that should not be removed because it is so much fun. Mineral Oil even works better than water where you have a water based glue, as the mineral oil penetrates the paper label quicker. I have seen Mineral Oil for sale in Pharmacies like in "Druggest", "Drug Store", or "Apothecary". I have

seen it in Walgreens with their brand label on it as well as in home improvement stores such as Home Depot, in the paint department, in gallon cans. The bottle I have is labeled: "Oderless Mineral Spirits", in a 16oz. pint clear bottle. I don't remeber where I got it but it has a brand on it called Klean Strip sold by W. M. Barr & Co. Inc., Memphis, Tenn. 38101-1879. I don't believe anybody will find it difficult to purchase and find Mineral Oil under many different labels. Since using it, I no longer need to see my psychologist after having a nervous breakdown from removing labels! One might also note, Mineral Oil is a very good as a coolant in a dummy load can. Transformer oil would be the best but it is hard to find in small quantities. Mineral Oil would be my next choice, especially over motor oil which is loaded with additives. Mineral Oil is pure and has a high "flash point", so it does not oxidize, smoke, or burn very easily, and it won't affect the resistor. These are important issues when deciding what oil you should use to submerge your load resistor. Next to water, the "universal solvent" and your precious bodily fluids, Mineral Oil is marvelous! I have no connection with the Mineral Oil industry and must sign off now so I can get back to my label removing project. Hope this helps. 72, Lee/w0vt

Date: Mon, 22 Jun 1998 13:48:58 -0400
From: "Eugene Hall" <evhall@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13637] Re: Ceramic Tuning Tool found!
Message-ID: <199806221754.MAA13894@dfw-ix2.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Gang,

I remember these tools from my design days back at Bendix Avionics and Motorola in Ft. Lauderdale and no I'm not going to say how long ago that was.

I called Micrometals and was told that these were from one of their distributors.

Contacted said distributor and was told that they are in stock.

They have a \$25.00 minimum order and the price of the tool is \$5.48 for less than 250.

They also have the replacement tips at \$3.35 ea.

If you've never used this tool it is the best thing I ever saw for working around RF circuits but the tips are FRAGILE!!! so I would recommend getting spare tips.

I'll probably regret this but if there's any interest in a group buy I'll take this on, I'll just have to figure what the shipping will add to it.

So let me know and I'll figure the details out if there's a need to do so.

72,

Gene WA4HHP Summerville, SC

> From: Ed Loranger <we6w@qsl.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Ceramic Tuning Tool found!
> Date: Monday, June 22, 1998 1:05 PM
>
> QRP-1 Gang, I was using one of them this weekend to tune
> up the ICF-6700W receiver. I have about 5 or 6 of
> these in various stages of broken-ness :) :) One
> that had a good tip and was the one I was using.
>
> Here's the good news: This one had a sticker
> on it.
>
> MICROMETALS, Anaheim, CA. (Full address forgotten..)
>
> A web search moments ago I found their web site:
> -----
> <http://www.micrometals.com/>
>
> Micrometals, Inc.
> 5615 E. La Palma Avenue Anaheim, CA 92807
> Phone: 714-970-9400, Toll Free: 800-356-5977
> FAX 714-970-0400
>
> E-Mail: sales@micrometals.com
>
> -----
> That's the place!!!
>
> Nice to have tuning tool.

>
> -Ed
> --
> 72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
> <http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)
>

Date: Mon, 22 Jun 1998 13:04:10 -0500
From: Mike Manship <mjmanship@iquest.net>
To: qrp-l@Lehigh.EDU
Subject: [13638] Re: sending signals thur the earth
Message-ID: <3.0.2.32.19980622130410.007a62d0@pop.iquest.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The article I remember from the early 60's (I think) in Popular Electronics was about communicating through the ground. The transmitter consisted of a code practice oscillator feeding a public address amplifier. The output of the amplifier went to a pair of ground rods spaced as far apart as practically possible. The receiver consisted of a pair of high impedance headphones connected, again, to a pair of ground rods. Range depended on the condition of the earth and the spacing of the ground rods. Using an amplifier on the receive end was discouraged because hum would also be amplified. Using more "modern" techniques such as audio filters could alleviate the hum problem.

The article started out with one guy calling another guy on the phone and exclaiming:
"I'm on the air in the ground !!!" (or something like that). The other guy thought to himself "This guy is nuts !"

73 de Mike W9OJ

Date: Mon, 22 Jun 1998 11:14:51 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: w5drc@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13639] Re: Mineral Oil or Mineral Spirits
Message-ID: <358E3CAB.6F78F7F3@earthlink.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Lee Bahr wrote:

> (snip)

I have seen Mineral Oil for sale in
> Pharmacies like in "Druggest", "Drug Store", or "Apothecary". I have
> seen it in Walgreens with their brand label on it as well as in home
> improvement stores such as Home Depot, in the paint department, in
> gallon cans. The bottle I have is labeled: "Oderless Mineral Spirits",

Don't conflate mineral OIL and mineral SPIRITS. Mineral Spirits are
volatile....rather like turpentine. Watery stuff, for cleaning grease,
etc. Mineral Oil is thicker, slippery (like oil) and won't explode.

Be careful out there.

--

72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

"The problem with doing nothing is not knowing when you're finished"
(Nelson DeMille)

Date: Mon, 22 Jun 1998 13:55:38 -0400
From: Delores Brickey <delores@preferred.com>
To: qrp-l@Lehigh.EDU
Subject: [13640] wtb:qrp +
Message-ID: <358E9A9A.4D28@preferred.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Looking for an Index Lab QRP Plus in excellent condition.

Please respond via email with conditon and price.

Thank you
Delores

Date: Mon, 22 Jun 1998 12:11:00 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Lee Bahr <w5drc@ix.netcom.com>, qrp-l@Lehigh.EDU
Subject: [13641] Re: Mineral Oil or Mineral Spirits
Message-ID: <199806221811.MAA24901@edison.chisp.net>

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>>paint department, in gallon cans. The bottle I have is labeled:
"Oderless Mineral Spirits", in a 16oz. pint clear bottle. I don't remeber
where I got it but it has a brand on it called Klean Strip sold byW. M.
Barr & Co. Inc.,<<

Now I'm REALLY confused. Mineral Spirits and Mineral Oil are *not* the
same thing, at least in this part of the country. Mineral Spirits is
synthetic turpentine, used as a paint thinner and solvent. Mineral Oil is
an oil, is safely ingested in small quantities (even prescribed
medicinally sometimes) and I use it for oiling cutting boards and
wooden knife handles.

Mineral Oil IS used in dummy loads and transformers, Mineral Spirits would
be just a bit risky since it has a much lower flash point.

Oddly, either one can be used to remove adhesive stickers, but I suspect
that's about the only overlap in functionality! If your Dr. tells you to
take a tsp of mineral oil, I would not suggest taking mineral spirits
instead [g].

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
(303)752-3382
--

Date: Mon, 22 Jun 1998 14:22:01 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: Roger Hightower <n7kt@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13642] Mineral Oil vs. Mineral Spirits
Message-ID: <Pine.LNX.3.95.980622141842.20071H-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

MINERAL OIL IS OIL. HEAVY STUFF. CAN BE CONSUMER BY HUMANS AS LAXATIVE,
WHICH IS WHY IT'S SOLD IN PHARMACIES.

DO NOT confuse this with mineral spirits, which are akin to paint thinner.

Drink mineral spirits and you'll get very, very ill. Fill a cantenna with
mineral spirits and if it doesn't destroy your resistor, it might just
light up and blow the thing sky high when power is applied.

Thei only thing in common is the word "MINERAL."

** Scott Rosenfeld NF3I & AAR3IB/T ** <http://w3eax.umd.edu/~ham> **
** Burtonsville, MD FM19mc * DXCC WAC WAS * QRP-L #147 * AK-QRP **
* Waiting for 6m to open... ** ARRL Life Member/Laurel ARC/UMARA *
** 301-549-1022(h) 301-982-1015(w) *** 35 wpm HF mobile CW Neon **

Date: Mon, 22 Jun 1998 23:33:50 -0700
From: "Paul Meier" <wa7mig@Hevanet.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [13643] Argo noise blanker
Message-ID: <03e601bd9e70\$e4ab4fc0\$a83ca3ce@wa7mig.hevanet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just picked up an Argo 556, a junior Scout, and having fun with it. I
live in the country and get a lot of electric fence noise from neighbors.
Can anyone tell me if the noise blanker for the Argo/Scout will take the
noise out or should I pursue other remedies? Anyone know how to subscribe
or post to the Ten Tec reflector? Thanks for your help.

Paul WA7MIG

Date: Mon, 22 Jun 1998 14:32:32 -0400
From: "dave r" <elim@ime.net>
To: <w0yse@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [13644] Re: ua0zc on 2W !!
Message-ID: <001701bd9e0c\$209d0740\$24c65ad1@default>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Neal ,
Here is a web pages where you can Lookup and Russian or CIS callsign
<http://www.octavia.com/callbk.htm>

UA0ZC is:
Makarov Valery A.
Address: Petropavlovsk-Kamchatsky, ul. Zvyozdnaya, 17-24
Postcode/Zip: 683038
Country: Russia

73 and good dx ,DAVE KC1DI/qrp

Date: Mon, 22 Jun 1998 14:51:21 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [13645] Elmer101: web site
Message-ID: <358EA7A9.6969@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

After some network problems I've got the updates posted for the elmer
101 web page. There is not much more frustrating then a computer that
does not do as it is told!

<http://www.qsl.net/kf4trd>

Let me know if I missed anything.

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Mon, 22 Jun 1998 15:26:15 -0400

From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-1 mailing list <qrp-1@Lehigh.EDU>
Subject: [13646] Dinner with K5FO in Orlando
Message-ID: <358EAFD7.7CB6EA4F@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is there anyone who wants to have dinner with Chuck, K5FO
while he is in Orlando?

Tuesday, Wednesday or Thursday of this week.

Anyone interested, please speak up.

michael N6CHV

Date: Mon, 22 Jun 1998 13:32:29 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-1'" <qrp-1@Lehigh.EDU>
Subject: [13647] BOSTON
Message-ID: <01BD9DE2.354C3B40.bmug@gwl.com>

I will be in Boston, MA starting Tuesday evening June 23 (tomorrow) until
Thursday evening the 25th. I will be doing training all day Wednesday but
my Thursday appointment was canceled.

I will be at the Marriott in Newton (Commonwealth Avenue). What should I
do? Are there any HAM related things I shouldn't miss (Wed evening through
Thursday evening)?

Thanks,

Brad

PS I will be with two non Hams so some of my options may be limited.

Date: Mon, 22 Jun 1998 14:36:47 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: wa7mig@Hevanet.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13648] Re: Argo noise blanker
Message-ID: <358EB24F.355F24AE@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul,. I would think that the JPS ANC-4 would really do a number on that type of noise.

-

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Paul Meier wrote:

>

> I just picked up an Argo 556, a junior Scout, and having fun with it. I
> live in the country and get a lot of electric fence noise from neighbors.
> Can anyone tell me if the noise blanker for the Argo/Scout will take the
> noise out or should I pursue other remedies? Anyone know how to subscribe
> or post to the Ten Tec reflector? Thanks for your help.

>

> Paul WA7MIG

Date: Mon, 22 Jun 1998 14:32:01 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [13649] Re: KnightSMiTe station in a shoe polish can
Message-ID: <199806221939.PAA21328@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Dennis,

Your KnightSMiTe rig sounds like a real winner! Don't forget the building contest in Dayton next year - I believe your rig will qualify.

> I've been disappointed to not be seeing any KnightSMiTe mods posted since
> I've been on QRP-L. Are people building these? Hasn't anyone come up with
> some neat mods? A bunch of them have been sold and I'd bet almost
everybody

> who's built one would agree that it's one neat project for an
unbelievable
> price - and each one packaged with TLC. I'm very grateful for all the
hard
> work and generosity that the Knightlites have put into it.

Yes, I've been a little disappointed, too, but surface mount parts are a
little harder to locate for quick mods.

We've shipped over 400 KnightSMiTes to date, and plan to continue shipping
past the first of the year. We'd like to put a lot of tried and tested
mods on our web site, but have heard of only a few.

How about it guys? Any mods we haven't heard about?

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

Date: Mon, 22 Jun 1998 15:46:32 EDT
From: FrConrad@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13650] Looking for reference book.
Message-ID: <db8a1df.358eb499@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello all,

I'm looking for a good reference book that is...

1. Currently in print,
2. Gives descriptions, values, manufacturer's markings and color codes for
various electronic components,
3. And maybe has some pictures for dummies.

There are a lot of books listed in the Tech America catalog, but I would
prefer your recommendations.

Thanks,

John+

P.S. Mineral Oil works great for getting rid of hair balls (that is, for getting rid of your cat's hair balls). Just put a big ol' dollop on the dry food and be sure to put Tabby right out.--JC+

Date: Mon, 22 Jun 1998 16:00:28 -0400
From: "C. Lamar Derk" <n3at@epix.net@epix.net>
To: low power amateur radio discussion <qrp-l@Lehigh.EDU>
Subject: [13651] Elmer 101 - extra hole
Message-ID: <199806222002.QAA12295@mx.epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There is a hole between RFC 1 and D1 on my pc board for SW 40+ that apparently has no real purpose in being there. Am I correct in assuming this, or have I done something in installing parts that should not have been done? I think I have been careful in the process. Any help out there would be greatly appreciated.

72 de Lamar, N3AT

Date: Mon, 22 Jun 98 14:21:48 MDT
From: "Mark Dittmar" <Mark_Dittmar@maxtor.com>
To: <qrp-l@Lehigh.EDU>
Subject: [13652] Capacitors for antenna tuners
Message-ID: <vines.PP59+RnfXpA@Longmont64.Maxtor.COM>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

I am planning to build a simple and compact antenna tuner for an end-fed half wave wire. I will be running a max of about 3 watts. I have several of the cheap tuning capacitors from transistor radios (these are from Mouser, and are dual gang 270 pf), the type with the plastic (I think) staters. Anyone have any experience using this type of capacitor in an antenna tuner with 3 watts power ? Do they melt ? Thanks for the advice ,

Mark Dittmar
AB0CW

Date: Mon, 22 Jun 1998 16:33:49 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>, eax@w3eax.umd.edu, Laurel ARC <larc-l@webtrek.com>, tentec@contesting.com, VHF Mailing list <vhf@w6yx.stanford.edu>, forsale-swap@qth.net
Subject: [13653] FT-736R, Corsair II w/VFO, QRP, Paragon, HTs, 12v PSs, HTs, scanners...
Message-ID: <Pine.LNX.3.95.980622162830.21269B-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Offers considered on all. All of this stuff is on my selling block.
Time to not lug it around anymore.

HAPPY SUMMER! Everything plus shipping...remember, make offers...

HF/QRP

Corsair II with external VFO, standard filters.
Superb CW rig. Radio needs PTO rebuild (included if I can find it). Exc. cond with manual, VFO LED is off slightly. Dual rx thru external VFO. Wired for power supply switch to turn radio on/off. \$850.

Ten-Tec Paragon I. It's in excellent condition, with standard filters; allmode rig. I spend 99% of operating time in car, thus need for shack-bound rigs is way, way down. Have manual, etc. \$1000.

A&A Engineering 20m QRP rig, minus some ICs.
Excellent condition with manual. \$65.

S&S Engineering ARK 20 QRP rig. 20m, with keyer, filter, built-in speaker. Very rugged. Pushbutton tuning controls - a bit strange but virtually no projections to bump...w/combination tilt-bail/carrying handle. VG cond, a few nicks, as if it matters with that serious aluminum case :) Manual included. Incl. variable-power output mod. \$235.

The following three rigs are property of Marc, N4DR, who

can be found at mapn4dr@erols.com...

Ramsey TX/RX pair, built from kits in plastic Ramsey cases. Puts out 1w on 20m. VXO-tuned. \$40 for the pair, manual included.

Oak Hills Sprint 30m xcvr; direct conversion, excellent condition with manual. Complete band coverage. \$65.

Oak Hills Explorer xcvr for 20m (NOT the Explorer II). Works well, manual is somewhere. \$70.

VHF/UHF allmode

Yaesu FT-736R, excellent condition with manual and keyer module. Comes with mic and 2m/440 MHz capability. FM/CW/SSB. Lots of memories, 2 VFOs, satellite functions. \$1350.

12v power supplies

Three of them, all in great condition:

(2) GSE 20 amp, probably good for about 16 A continuous.

(1) VHF Engineering, rated 16 A cont/22 A surge

\$65 each, contact Marc, N4DR, at mapn4dr@erols.com.

2m amplifier

Motorola 2m amp, good for FM only at about 80 watts. Rugged. Excellent condition, asking \$75.

Handheld FM radios

Excellent condition Yaesu FT-470 2m/440 MHz HT. 5w out with proper battery. Works great, have manual. Two receivers, no dual-in-band receive. \$240.

Alinco DJ-582T 2m/440 MHz, near-perfect condition. Works fine, extended rcv (and xmit too, I think). Dual receivers, AM aircraft rx, battery, charger, antenna, manual. \$265.

Scanners - base and handheld

Radio Shack Pro-2039 desktop scanner. New condition

in original box w/manual. 200 channels, public
service/amateur/etc. Cell-blocked. Hyperscan.
\$249 new, asking \$150.

Radio Shack Pro-51 handheld scanner. New condition,
200 channels, 800 MHz, with box, manual, rubber
duckie antenna. \$299 new once, asking \$165.

** Scott Rosenfeld NF3I & AAR3IB/T ** <http://w3eax.umd.edu/~ham> **
** Burtonsville, MD FM19mc * DXCC WAC WAS * QRP-L #147 * AK-QRP **
* Waiting for 6m to open... ** ARRL Life Member/Laurel ARC/UMARA *
** 301-549-1022(h) 301-982-1015(w) *** 35 wpm HF mobile CW Neon **

Date: Mon, 22 Jun 1998 16:37:43 -0400
From: "Tim Cook" <timcook@erinet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [13654] Fw: Moto, Standard, ICOM, Yaesu, TenTec list
Message-ID: <007c01bd9e1d\$9c14f020\$9a765acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Saw this on the newsgroup, thought someone may be interested...please
contact the individual below, I do not have any further info on it....
Tim
NZ8J

-----Original Message-----
From: pmb1010@hotmail.com <pmb1010@hotmail.com>
Newsgroups: rec.radio.swap
Date: Monday, June 22, 1998 10:26 AM
Subject: FS: Moto, Standard, ICOM, Yaesu, TenTec list

>(All radios are in very good to excellent condx, unless noted)
>

>TenTec Century 22 CW HF rig, 30w, like new \$200
>

>prices do not include shipping
>Email for more info

>

>-----== Posted via Deja News, The Leader in Internet Discussion ==-----

><http://www.dejanews.com/> Now offering spam-free web-based newsreading

Date: Mon, 22 Jun 1998 15:48:07 -0500
From: Bill Schiller <schiller@cherokee.nsuok.edu>
To: jduffy1@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13655] Re: SGC-2020
Message-ID: <358EC307.909CB689@cherokee.nsuok.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

J. D. Beischel wrote:

> SGC says they are shipping the
> product to dealers, yet I have been unable to locate any dealer that has
> EVER received a shipment of the SG-2020.
>
> How did I arrive at this conclusion? I called every SGC dealer listed
> in QST. Every dealer I spoke with told me that they had never received
> a shipment of the SG-2020 radios. You would think that if anyone
> received the radios first, it would be the larger dealers. Think AES or
> HRO received any SG-2020s to date. Not a one.
>
>
> I received my SG 2020 from AES Milwaukee on 6-19-98, I was number 5 on
> their wait list. I really like it too. Seems better than my QRP++ on CW and
> SSB.

Bill KJ5CI

>
>

Date: Sun, 21 Jun 1998 14:24:40 -0400
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>

To: David Shalita <af389@lafn.org>
Cc: qrp-1@Lehigh.EDU
Subject: [13656] Re: Super Glue - heat
Message-ID: <3.0.1.16.19980621142440.20d726ae@mail49.mci2000.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 08:19 AM 6/20/98 -0700, David Shalita wrote:

>Jim,
Hi Dave
>
>I notice in your email, you use UGLY construction of RF breadboards.
>I recall you use unetched single sided copper PCBoard as the ground
plane. You cut tiny
>pieces of unetched one-sided pcboard for
>conductive pads for each part lead. The tiny pads are glued to main
pcboard ground plane.
You've got it correct!
>
>I have recently tried this method. My biggest trouble is, after I glue
these pads into
>place with SUPER GLUE, and then solder a component lead to a pad, often,
the pad comes
>unattached. Or, become unattached later, if I have to reheat the pad to
remove and
>replace component lead. The Super Glue seems to fail.

Well two things might be wrong. You may be applying too much heat
for too long on the little pad, or, the surface of the substrate
PC board might not have been cleaned properly. If it was sensitized
stock, there is a coating on it that will release as soon as some
heat is applied. I scrub the board with a scotch bright pad until
the copper is really shiny, and then give it a good cleaning with
lacquer thinner or MEK. I prefer the thinner, as it doesn't evaporate
as quickly, and does a better cleaning job.

The pads I use are made from phenolic PC board material also. I
doubt that it makes any difference, but the phenolic may have
lower heat conduction, so less tendency to come off when soldering.

My best guess is that it is the "sensitizer" still on the board
that is the problem. I also use plain ol' "Duro" brand, thin
superglue for bonding. Nothing exotic.

Give the above a try and let me know how it turns out. I've
tried breaking off a few pads using my technique, and you
have to use pliers to do it. Even after soldering two or three
parts to a pad, so I know it is durable.

72.....Jim

```
Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L
jokortge@mci2000.com | __o H.F. bicycle mobile
Fenton, MI | _'\<, Mizuho 17/40 SSB
... .. (*)/(*) . . . . .
NorCal 38S/30 Log - 34 States; 40 Countries - Running 3 watts
Most recent - Iowa Mauritius
```

```
NorCal 38S/17 Log - 22 States; 51 Countries - Running 1.5 watts
Most recent - Alaska Ecuador
```

Date: Mon, 22 Jun 1998 16:08:07 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: "Rattray, Bruce" <Rattray@siast.sk.ca>, qrp-l@Lehigh.EDU
Subject: [13657] RE: Wire/Rope Half Square
Message-ID: <199806222108.QAA17302@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

High gang:

this reply is for Bruce and I thought might be of interest to others
that are following the wire rope antenna humbug here at wa5cvm, in maine...

>Hi Joel...glad to hear things are going ok health-wise...I'm interested in
>your experiemnts with the halfsquare....I'm thinking you have some good
>real estate for your antennas....am I right or what is the situation
>there?...take care - 72 - Bruce(VE5RC)

Hi Bruce

No Bruce, I have very little real estate to work with... My reflector...
(72ft) is just out of the trees... the driven element is in the edge of the
trees and the director is ok... but I don't have much space left to make it
longer so that's 28 + 14ft or about 45 ft to work with on the length, if I a
going to shoot for europe or the us...

I'm halfway down a hill so the trees on the up hill side seem taller
and the trees on the downhill side won't let me get as high and keep the top
of the antenna flat... If I try to go much east of south I will send my
signal into the top of the hill... the same thing will happen if I try to go
due east or south of east... I can go north or nw in the clear but don't
have much depth to make a long multi element beam because of the house and
trees just back of the house and lack of trees on the south side of the

house...

The flat part of the antenna is about forty feet high, the 34ft radiator clears the gnd by about ten feet... Actually I think I am using some good imagination to get these things up around here... right now I am using one rope to pull the antenna tight going foreward and two ropes to pull the elements to the side enough to stretch them out flat...

The Yagi and the half square seem to have their radiation point up high and they have worked the best for me here... I know very little about the half square... it's supposed to be a low angle radiator... it's supposed to show some gain over a dipole at low angles and I have three of them lined up as a beam antenna... I think I might have as much as 7db gain (in theory) with this arrangement but I really don't have a clue... It's pure experment on my part...

I tried loops but they seemed to be at a less effective height and I deemed them as working poorly in this location... the vertically polarized loop seemed to work ok, however it was low to the ground and I was concerned about safety problems so I dropped it for the time being... I tried a vertical dipole and was really disapointed in how it worked... I could get about fifty something feet using the top of one tree and the top of the tree that fell on the house... now I have to use a tree a lot lower... I also tried a ground plane and that worked fairly well with four radials up ten feet or so...

I am seriously considering using the coax braid as the radiating element on the driven half square as this would make managment of the coax a lot easier... right now I have the coax taped to the rope supporting the antenna and can get away from the antenna at a 90* angle...

maybe someone on the list can do a computer model of a three element half square and give us some idea of what it will do in theory, anyhow... If my thinking is near the mark, this should be a very good dx antenna... I will try to leave it up long enough to find out as I really want to work some forty meter dx...

I'm working with only four watts and I want them to be effective... so, as I see it, the name of the game is "antenna" and I'm trying to see what works best here... If the antenna is really hot maybe 4 watts will prove to be more than adequate for getting into europe or elsewhere... my other thought was south america... I think I could point it in that direction... I would need to get the compass out and see what kind of manipulation I would need to do with the ropes...

The two element yagi I had pointed at the lower 47 states worked great... it was about 50ft high and would get me 5 and 4 readeability reports on ssb with strength reports from 5 to nine on a regular basis... but my other high tree fell on the house so now I am epexermenting again, who knows I may end up with anothe yagi before it is all over...

Drop me another note if this did not answer ur questions or if u have more questions or suggestions or information... I'll take all the help I can get here as I am operating only on the thought that "this should work" ... who knows?

God bless

joel, in maine, north of cajun land, in the land of big crawfish...

God Bless

Joel

WA5CVM

Joel Denison

PO BOX 542

Strong, Maine 04983

jdenison@morelr.com

Gentlemen don't Cry, They QSY :-)

Gentle Lady (RC Sail Plane)(049 engine - start)

2 element yagi on 40mtr

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

AK/QRP 109

Date: Mon, 22 Jun 1998 17:00:29 -0500

From: bkobie@webtv.net (patrick obrien)

To: qrp-l@Lehigh.EDU

Subject: [13658] mfj LINEAR

Message-ID: <199806222200.PAA29746@mailtod-131.iap.bryant.webtv.net>

Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

Content-Transfer-Encoding: 7BIT

MIME-Version: 1.0 (WebTV)

DID SOMEONE MENTION THAT MFJ IS PUTTING OUT A SMALL LINEAR 1-3 WATTS IN
10-15 OUT,IF I REMEMBER RIGHT,AND WHEN IS IT COMING OUT?

DOES ANYONE HAVE A SIMILIAR ONE FOR SALE? TNX 73 PAT/K8LEN

Date: Mon, 22 Jun 1998 18:09:03 EDT

From: N5FOS@aol.com

To: qrp-l@Lehigh.EDU

Subject: [13659] Candy Store Info

Message-ID: <438dbad6.358ed600@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Hi everyone,

Here is everything I know as taken from a current business card:

www.elec-candystore.com

"Home Of Hard To Find Electronic Parts"

Owner: Mr. Dale Ward
Store Name: D W Electronics

E-Mail: dwarders@telepath.com

Address:

D W Electronics
1411 S. Council Rd.
Oklahoma City, OK 73128

Phone Numbers:
(405)495-3391
1-800-370-3390

Fax: (405)787-3858

I use this company having great results.

Best 72's
Mike Griggs
N5FOS
n5fos@aol.com

Date: Mon, 22 Jun 1998 18:36:17 -0400
From: Ed Tanton <n4xy@att.net>
To: jduffy1@ix.netcom.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13660] Re: SGC-2020
Message-ID: <3.0.5.32.19980622183617.00d03460@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Your information is basically incorrect Duffy... FOR A FACT: HRO and Universal Radio have both received-and immediately sold-them. I personally know of one ham who owns an HRO SG-2020, and mine came from Universal Radio, who sold three others before mine. I cannot explain why you were told otherwise by HRO, but if I were almost any of them, I would not release sales information to "just anyone" who called on the phone. If you are not "just anyone" to some friend at a dealer, then I would suggest he was-apparently-misinformed.

It is correct that they are hard to get, my understanding of the waiting list was ~ 9 MONTHS, not a matter of weeks. I imagine that, as they ramp up production based on the obviously high demand, that will improve-and as

quickly as humanly possible. Hams are not the only potential customer for this product, and the distribution would therefore be made, in fairness, to a large, worldwide, distributor base. As far as SGC continuing to advertise the unit, I should hope so-most of our HR magazines are making little enough profit these days as it is.

There are enough conspiracy theories and such going around without including SGC in one-they have simply produced a very desirable product that is in much greater demand than anyone anticipated. Sounds pretty much like the best possible "American success story" to me.

73

Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS:	QRP	BoatAnchors	Test Equipment	Photography
CW: 99.9%		Mercury Paddle # 0214		QRP to 150W: 95%

"Think you can, think you can't: either way you're right!" Henry Ford

Date: Mon, 22 Jun 1998 16:29:50 -0600
From: "Steve Galchutt" <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-l@Lehigh.EDU>
Subject: [13661] FD- Bug Juice Alert!
Message-ID: <012801bd9e2d\$49aaf720\$844a460f@SG2939M.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just dug out my trusty wrist rocket (slingshot) for launching antennas etc.

I noticed the little zebco(?) reel that's clamped (attached) to the arm brace was covered with some slimy substancehmmm ...familiar smell.... Yikes!! it's Deet!!! Seems last TTF I stored my "Jungle Juice" (100% deet) insect repellant in the same pack as my field antenna kit. (brain dead from too much sun & TTFCOs)

Not a very good combo - deet & monofilament! I can see it now...."did you see which way that bright red 2 oz lead sinker with phone # on it went at

100mph ...dear?" probably in the next county or my neighbor's BMW's drivers seat and he never leaves his windows or sun roof open! (didn't really happen but a slim possibility)

I know from my fly fishing experiences you wanna keep the bug juice and sun tan oils away from your tippets, flies and line. Probably the same goes for coax, wire(insulation), knobs and other plastics...as well.

SO.... Before you stretch that surgical tubing to it's max! THINK...be safe and make sure your reel and line are clean of pollutants and wear glasses - maybe even a hard hat if your accident prone. Give warning to others to take shelter.But of course have fun and get those antennas up high!

BTW - recently I've read that 30% deet bug juice works as good as the 100% stuff and doesn't eat your synthetic clothing up as fast or cause you to go insane as quick.... right Nils?

72...Steve

n0tu - solar powered QRP & wire antennas @ 7,200' ASL
Monument, Colorado - Grid Sq DM79nb
homepage: <http://www.webaccess.net/~S&P/HRindex.htm>
email: n0tu@webaccess.net

Date: Mon, 22 Jun 1998 15:42:22 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [13662] QRP DXer/Contesters Needed as Speakers in CA
Message-ID: <199806222242.PAA17785@usr09.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Howdy Folks,

Ray Parker (AA6EW) is looking for a few of what he describes as "QRP DX/Contester Pros" to be guest speakers for their DX/Contesting club near Sacramento, CA. Date would be the 3rd Sat in August.

Great chance to inspire prospective QRPers and let

them know just what 5 watts can do! Tactfully, of course. ;-)

Please respond directly to Ray at <rayep@volcano.net> or if you **really** prefer, I can pass your info along.

Note that they will even feed you. :-) Full message appended below.

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Veni Vertical Vamos - I came, I radiated, I left". -AB7TT

Forwarded Message:

> Subject: Re: Mother Lode Dx and Contest club
>
> Joe, I'm looking for a QRP contester type for a guest speaker. Our club
> meets the third Sat (in August) in Jackson Ca. [...] thought you could
> make some suggestions of QRP operators near Sacramento, CA. Please send me
> an email if you know of any Hams that I should contact.
>
> We even buy lunch. Catch SouthWest up If you'd like to visit the Gold
> Country...Aug is a great month here for WX. I look forward to hearing
> from you. Ray Parker AA6EW 73

(End forwarded message)

End of QRP-L Digest 1130

